

⑫ **EUROPEAN PATENT APPLICATION**

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⑸ **Television signal filtering system.**

⑸ A signal separation system is provided which includes a plurality of serially-coupled signal transfer stages (102, 104, 106). A video information signal is applied to an input stage (102) and is delayed by at least the time interval of one horizontal television line (1-H) as it passes through the stages. Various ones of the stages which are 1-H apart in time include outputs, which are combined by weighting function (120-126) and summing or difference circuits (130-136) to produce bandwidth-limited transversal filter output signals. These signals are additively and subtractively combined to (140, 150, 160, 156) to produce a combed band passed chrominance signal and a fully restored and combed luminance signal, thereby obviating the need for subsequent filtering before the signals are further processed. The bandwidth-limited signals may also be combined (162) to provide a user adjustable peaking control signal for the luminance information channel.

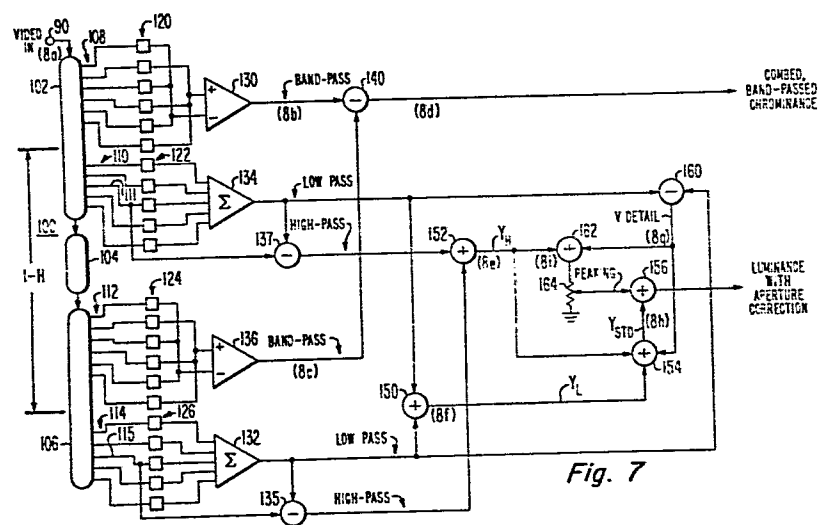


Fig. 7



EP 82302688.5

DOCUMENTS CONSIDERED TO BE RELEVANT			
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (Int. Cl. 3)
A	<p><u>GB - A - 2 027 309 (RCA)</u></p> <p>* Fig. 1a,1b; abstract *</p> <p>--</p>		<p>H 04 N 9/535</p> <p>H 04 N 9/32</p> <p>H 03 H 15/00</p>
A,D	<p>RCA REVIEW, vol. 41, no. 1, March 1980, Princeton, NJ.</p> <p>D.H. PRITCHARD "A CCD Comb Filter for Color TV Receiver Picture Enhancement"</p> <p>pages 3-28</p> <p>!</p> <p>* Page 3, abstract; page 8, fig. 3; page 12, paragraph 3 - page 15, paragraph 1, fig. 9,10; page 17, paragraph 5 - page 19, paragraph 1, fig. 13 *</p> <p>--</p>		
A,P	<p><u>EP - A1 - 0 031 270 (THOMSON)</u></p> <p>(01-07-1981)</p> <p>* Page 1, lines 1-6; fig. 2; page 6, lines 2-35 *</p> <p>--</p>		<p>TECHNICAL FIELDS SEARCHED (Int. Cl. 2)</p> <p>H 04 N 5/00</p> <p>H 04 N 9/00</p> <p>H 03 H 7/00</p> <p>H 03 H 11/00</p> <p>H 03 H 15/00</p> <p>H 03 H 17/00</p>
A	<p><u>DE - B2 - 2 403 233 (TRT)</u></p> <p>* Fig. 1; column 5, line 66 - column 10, line 8 *</p> <p>--</p>		
A	<p><u>US - A - 3 938 181 (AVINS)</u></p> <p>* Fig. 1; column 6, line 58 - column 8, line 36 *</p> <p>----</p>		
The present search report has been drawn up for all claims			
Place of search		Date of completion of the search	Examiner
VIENNA		03-02-1983	BENISCHKA
<p>CATEGORY OF CITED DOCUMENTS</p> <p>X : particularly relevant if taken alone</p> <p>Y : particularly relevant if combined with another document of the same category</p> <p>A : technological background</p> <p>O : non-written disclosure</p> <p>P : intermediate document</p> <p>T : theory or principle underlying the invention</p> <p>E : earlier patent document, but published on, or after the filing date</p> <p>D : document cited in the application</p> <p>L : document cited for other reasons</p> <p>& : member of the same patent family, corresponding document</p>			